

STOCK FEEDING.

Summary of Fifteen Years' Research in

at 25 per cent, or more higher than those enne for the food eaten without a single

the make stock of this country will make nearly as much possibly quite as time in gain from a peaced of food as will one pure bred stoom. If my position is tures, true, and I am sure that it is for nearer the truth than bresiers have thought, it means that breeders must now look beyoud form, and that poor feeders must poor feeder is parmy wing himself.

pay for shelter, and the assertion rests the upon practical trials. I found over 12. We give illustrations here of two exper cent, of his was healing the ordinary tremes of horse families. The large stack, and only smoot I per come in the mow, while less buy was eaten by shels tered steers and sheltered plus than by unsheltered ones.

Steets must grow steadily from birth to death. About two-thirds of the food. enten by a half grown annual is used for maintenance, neare every day that an animal merely held chis own, it is burning the taper without giving light, and is therefore using feed at a total loss Almost all of the philosophy of early maturity in its relation to sconomy of growth rests in this fact. A 4-year-old steer that weighs no as to than a 2-year- horse shown in the picture is a magnifiold steer has consumed twice the feed of continuorted Percheron stallion, of the maintenance, and therefore has consisted by the French government. sumed a very high ratio of unnecessary. Few finer normals than this have ever

Spers should be sold at the highest weight that will bring the highest mar- and the illustration exalints well the growth on each.

feed, and only by pasture field at a is it possible to sell heef execut, at a ruinous loss. Formation of good pastures is the most direct road to the enespect heef, and pastures should therefore receive the first and most thoughtful attention of fanders.

The west will have to consider feeding animals more with reference to their influence on the fertility of the farm and less with reference to direct profit than has been heretofore the case, -J. W. Sanborn in Clay & Robinson's Report.

Advantages of Sheep.

It will in reality pay to grow sneep for mutton alone, and the money obtained for wool is all clear gain. One of the chief advantages of burdling sheep is this was not the case. Another importhere range. Then they yield readily to will in the matter of bees ling. You can change in the shortest possible time whenever the fasmon in wool or fieth changes. Then, under the present demand for muttan, there is no necessity for ever having any old sheep on hand, as this class can be worked off from year to year and the flock kept young and thrifty. It is also possible to build sheds of capacity to house as large a number as a given range will feed, and being prepared to house a their properly winter loss is not only prevented, but the best success is assured in lambing. With successful lambing and wintering, a flock made certain and a fair price for wool mutton alone would pay expenses,

is nothing to prevent our flock from becoming rich in a few Rocky Mountain Husbandman.

reat horse sales of the country | Cor. Breeder's Gazetta mat blood fixes the price.

TRAINING A COLLIE.

An Old Trainer Gives Directions for Dog Education.

An old trainer of wille experience gives is these rules for educating the collie so that he may become a useful citizen; we know from experience that an uneducuted collie may easily become a perfect neamp:

Animal Natrition.

In sections of the great west that are well developed, certain factors should be observed in the production of meat for both scancer by antifer quality. I shall sammarize the results of some fifteen years of continuous research in animal nutrition, and some twenty five years of observation as a stack feeder, without marshaling the corroborating data, which are often voluntiness, in support of the direct assertion made.

Only good animals that inherit good forms, or that have the largest ratio of choice parts to the whole carcass, should be bred, because such steers always sell at 25 per cent, or more higher than those sheeps that are of ordinary structure.

at 25 per cent, or more higher than those steers that are of ordinary structure, translated overscene, and would be downlight. The latter class of steers return less revenue for the food enter without a single the lesson to play. In one or two moralings his

enue for the food exten without a single compensating advantage. It is a sittle gish mind that follows the practice of feeding ill made steers.

It is well known that meat varies in individual animals in flavor and in terederness. The development of the art of breeding and of the intelligence and of the tastes of mean has arrived at that stage of growth that demands the sleeting of growth that demands the sleeting of parts stage of growth that demands the sleeting of the difference to play the first of the parts of the family should be strictly found for the mean between the intelligence and of the intelligence and of the tastes of mean has arrived at that stage of growth that demands the sleeting of growth that demands the sleeting of the parts of the family and the parts of the family and the parts of the family and the sleet that the parts of the family should be strictly found for the mean between the first of the must be taught obedically and the break of the must be taught of the parts of the family should be strictly found to some your commands implicitly, and the break and the same between the mind the same between the first of the family should be strictly found to end of the must be taught obedically the first of the family should be strictly found to end of the must be taught obedically the first of the family should be strictly found to end of the must be taught obedically the first of the family should be strictly found to end of the must be taught obedically the first of the family should be strictly found to end of the must be taught obedically the first of the family should be strictly found to end of the must be taught obedically the first of the family should be strictly found to end of the must be taught obedically the first of the family should be strictly found to end of the must be taught of the first of the family should be strictly found to end of the must be taught of the first of the family should be strictly found to end of the must be taught of the first of the family should be stric

I where to the heretofore expressed belief that our cut le sives should be tested to accordant their expectly for construction, direction and a similation of tool. Animals vary in their powers in three directions, and only those that possess those powers to a high degree should propagate their kind. Breeding has fixed form by following a standard, and I assembly propagate their kind. Breeding has fixed form by following a standard, and I assembly that it has not fixed the qualities in question. It is possible for a wealther to an original possible to a wealther to an original possible for a possible for a wealther to an original possible for a possible for a wealther to an original possible for an original possible for a possible for a possible for a possible for a wealther to an original possible for a wealther to an original possible for a wealther to an original possible for a possible for a possible for a possible for a wealther to an original possible for a possible f

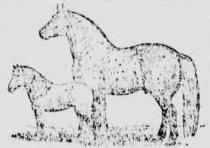
qualities to que tion. It is possible for a wealther to be or to do us great a work for stock improcement as that of Bakes well.

"Threed goes in at the month," except form; yes, hereby so, Villent organisms any commonalize metal assert a convertion mat will extrem the indignative commonalize metal assert a convertion mat will extrem the indignative contraction of the contraction of the indignative contraction of the contraction o possible to the describers use the same words of command and gestites, as "Go fetch emost," "from usay," "Got out wide," "Held!" of. Use the land or whip in making ges-

-Rural New Yorker.

Big and Little Horses.

A Scotchman has said that if one were exalt food more than they have. The to take the colossal Clydesdale horse to Saetland, turn him out to rough it in Shelter in the north reduces the the cold and rain and pick his own livamount of food consumed, increases the ing off the hillsides and vaileys, in the value of manure produced and increases course of time the bread would become the value of buy housed. These gains as small and tough as the little "Shel-



PERCHERON AND SHETLAND.

come to America. The little horse is a Shetland pony,

k a rate. This is due to the fact that the difference in their respective size. Shetfood of maintenance is rearly in propor- land posts are becoming profitable andtion to weight, hence the foor that would tunk no broad in this country on acmerely maintain a nearly manufed steer, count of more and more of them being or say one weighing 1,100 pounds, would required every your for children's carbe more than enough to make two mares. A pair of good Shedland porties pounds of growth if fed to calves weight sells for from \$200 to \$250. They are ing 300 pounds; in fact, it would feel also much used for riding by children two such calves, and make a pound of and young girls. They are decile, but rather obstinute little creatures that a pleasant tone Our cheapest best is made on pasture walk, canter and gallop well.



NATIVE SHELTIF.

The Shetland pony was undoubtedly originally the ordinary sized horse, and it has been stunted and dwarfed in course of time by the inclement climate. that it is practicable to keep them constituted food and the general necessity of stantly under your care, and much loss roughing it in the Sheiland isles. The may be prevented which would occur if people of Shetland are small, like the ponies. The little animal has been much tent point is that they will flourish on a improved since it became a fashionable horse among the children of the wealthy in Europe and America. In the first picture above is seen the improved Shetland that constitutes the pony of fashion. In the second illustration is the original rough Sheltie, just as he came from his native isles, before generous food and vare had made the breed shiny and symmetrical.

Weakling Colts.

"Observer" lays all blame for weak colts at fealing time to the treatment of the stallion during winter. I coincide with The Gazette's comments, but think if "Observer" would observe he might find that the mares were short of exercise with too much corn, corn fodder, clover hay and fat to produce healthy, strong foals to the cover of any horse in any condition. My experience teaches that in nine cases out of ten it is the wintering of the mare that kills the colt .-

The Soldier Got Even.

In the early days of the civil war the Maine volunteer regiments were quar-tered at Augusta several weeks after their organization to be drilled and trained before going to the front. Many of the soldiers were young men from the country. in whose pockets the bounty money burned as long as it lasted, to the great advantage of Augusta store and stable keepers.

Two soldiers came into a livery stable one morning and asked the proprietor how much he would charge for a team to go to

"six dollars," was the reply. The bargain was closed and the soldiers

Toward plight they returned, tend one of them stepped into the office and tendered the propriets six dollars. "Oh, no." he exclaimed. "Your bill is twelve dollars."

"How is that!" "Why, you asked me how much for a team to take you to Waterville, and I said six dollars; but you came back, didn't you? I meant six dollars each way."

The two friends, after a little conference, paid the swindler the twelve dollars and went away without a word.

About a week later a soldier again appeared at the stable office and inquired, "How much for a team to Watervilles"

"Six dollars," replied the proprietor, not recognizing the man upon whom he had played so mean a trick the week before.

The soldier took the team and started About 5 o'clock in the afternoon he speared, on foot, and walking into the

"Here's your six dollars for that tenm I bired this morning." "But where's the team!" was the aston-

"Oh, Loniy hired it to go to Waterville, you know. I lott it at the hotel stable down there. It cost me six dollars to bring it back best week, so I thought I'd return by ears this time. It's so much cheaper, you see," and he left the proprietor to his meditations about the compountive amortness of ciclians and sordiers.-Youth's

The Intelligent Man Abroad.

"You know," said a lively compatriot who had recently arrived "from the other side," "that the thing in England is for a men to be quiet and monosyllable in a drawing room, and for the women to be lively and amusing, that Is why our women are such a success over there. They can talk about all sorts of things and amuse people. On the other hand, however, the average American man is not much cared

An American at his best is witty, enterraining, versatile-a conversationist in fine, and that is just what the smart set in England do not like; for a young man to be an intelligent talker is considered almost had form. There may be certain privileged individuals that hold the place of licensed court jesters, as it were, but it is an unwritten law that the fashionable young man should be deadly quiet, unless he is among his intimates, when he seems to enjoy a sort of horseplay with a gest that strikes an American as almost arriess, not to say imbecile. But introduce the same lively youth to a stranger, and he freezes into a solid politeness that is almost crush-

' Fo our clever young countrymen are really too clever and too naturally chivalrous to women to have the 'catchet' that belongs to a really fashionable youth. This, however, is not the case of the mid dle aged Americ in in London, particularly if he be of note in his own country. He,
like the American girl, is expected to
'show his pages,' and the English world is
ready to applican him, disc non and thelhan vastly entert oning. In short, he can be no end of a success. If he is an arrist, poet or literary man of any kind he has the open sesame to a delightful set of people,"-New York Tribune.

The streets were crowded with pedes trians burrying along. Among the throng was an aged bely attired in suabby black. From the armful of bundles, which some kindly clerk had encircled with a strong cord, a small package, which for some time had been slipping away from its compan-ions, suddenly made its e-cape and fell with a crash upon the dirty pavement, bursting open and scattering a dozen reels of thread in every direction.

Tears stood in the old lady's eyes, Benevalent looking gentlemen passed by, never affering to help her in her tron ble and even smiling a little at her di little old lady in black who blocked the

Just at the moment a lad, not ten years of age, possed along. His clothes were poor and purched, but clean, and there was α look of interingence upon his frank, open face. Pressing his way to the center of the group he took in the whole situation at a glance, and stepping to her side he said in

"Let me hold your bundles for you. I have a grammond for at home myself."
"Heaven biess you, my boy!" exclaimed the grateful old lady, and stooping down she had the scattered reels up in a moment, and turned to thank the noble lad, but he was not there. Fogether with the armful of bundles he had evaporated around the nearest corner, and was lost amid the labyrinthine streets of the great city. Moral-Do not be too sure that the story will always turn out in the storeotyped

stock of this new enterprise.

Detreutes

way .- London Tit Bits.

I love all the detrace ways that she has; Her hands and her delicate sintle. She's a delicate pose and a delicate pose

And a dreamy and deletate style.

Her delicate vo. els a musical treat.

As rhythmid a fountains that splesh;

But she's at her in the ry selletate post,

In her delicate or sing for cash.

New York Herald.

Insuring a Perusal. Faugle-What are you cutting that piece

ma of the paper for) Cumso-I'm going to take the paper some, and I'm very a mands for my wife to read the article, as it is on economy in iress. If I merely to be the uncut paper

Faugle-But I don't be how she's going to see it if you take the paper with the item out out. Cumso-Well, when the sees the place

where the article was the il be so curious to know what was cut out that she'll send and 'et another copy,- | "w York Sun. Not a Matter of Choice.

"I think she is a two faced creature," said one of the girls indigmently, "Oh, no," returned Mis Cordial; "If she had two faces she would never use this one."-Washington Star.

Refore and Aller. Merritt-I thought the ed man would have come down handsomely. Wasn't your wife his favorite daughter? Pentield-She was before she married

me.-Life

WAYSIDE GLEANINGS.

In the reign of Queen Victoria England Las had fifteen wars. According to a doctor's estimate one per-

son in nime is left banded. Santa Fe is the oldest capital in the United States, having been the seat of New Mexico's government as far back as

Chili, with a territory equal to that of tion. all the states northered of Pennsylvania, Ohio and Indiana, those included, has a population of only 2,000,000.

The beautiful weeping willow which for to many years should the berial place of the great Napoleon at St. Helean is now dead, and nothing remains but a barren stump. One of the objects of interest at Steuben-

father worked in his youth. Few of us collect how much money is times as tail as he was.

spent in matches. In Sweden, for example, the Aspen forests have been so reduced through the manufacture that now that

country has to import its lumber from Russia. The copper colored Choctaws dislike the black skinned negroes, and have adopted

a law for their exclusion from the Choc taw country. The Choctaws dislike the whites not less than the blacks, and hold that they themselves are the cream of crea-

By intermarriage with colored people the Marstipee Indians in Massachusetts have increased to about 400. They occupy a reservation on the shore of the lake in Marshpee, called Ma'shpi by Cape Collfolk, Catecanit, the chief of the tribe, is the postmester.

Chicago is to have a bigger statue of Benjamin Franklin than New York has. The statue in Printing House square is ville, O., is an old foundry, built in 1810, with wooden pins for mails. It is pointed out as the place where Major Mckinley's about the size that Franklin himself was, but the Chicago statue of him is to be twenty one feet in height, or nearly four EPICUREAN MORSELS.

Pickle soup is a Russian abomination. Chicken salad made without celery is a

Potato pancakes are a favorite dish in Germany.

Perhaps the best of all ways of cooking oysters is a la poulette.

The large, coarse oysters of other days are not likely to be recalled.

In Slam a curry of auts' eggs is a necessary part of a fashiomable dinner.

The Hussians are very fond of fish soup, made preferably of the sturgeon. The culinary possibilities of chestnuts

are sadly neglected in this country, The swan, little used for the table, is nevertheless one of the most toothyome

birds that ever adorned a spit. The hard shell almond, though cheaper and less expensive than the table variety, is the tenderest and best flavored of all -

The following appears at the head of the Tawood Real Estate Company's advertisement in Irish World :

NOTE.—Before inserting an advertisement like the following. The Irish World always investigates, as far as possible, all about the enterprise, its promoters, its promoters, its promoters, its promoters, its promoters, its promoters that the spot, who, we believe, knows all about the enterprise and its promoters:—

"It is investing the state of t

REAL ESTATE IS THE BASIS OF ALL WEALTH.

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Can be made on money invested in

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The Great Western Railway Terminus!

The Great Pacific Seaport City!

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PORTLAND, OREGON, is now the recognized commercial center of the Pacific Northwest. In natural resources, in location and in rapid growth this city leads. As a port of entry and a radical centre it excels every other. To west of the Mississippi river. Fortland has never been booked. The growth is legislimate as it is rapid. In 1870 Portland had 16,000 population, to day it has at least 80,000. To five years she with have 200,000 to 300,000. people within her limits. Fortland is now or soon will be the terminus of more trans-continental ratiroads than any other city in the Build States. This may seem extravagant, but it is a fact.

HER GREATNESS FORE-ORDAINED, GOOGRAPHICAL Magnet, that draws all men by ber natural resources; inatchless climate; commercial supremacy; productive soil; never-failing crops; limitiess mines and minerals; vast forests; great fisheries; prize fruits; railroads; ships and shipping; grand scenery and attractions too numerous to mention. While it has taken three hundred years to make now York what she is, Portland will be a greater city in less team fifty years. Nothing can prevent this. It is the best place in the United States for a home, and the best place in the world to invest money, as real

TAWOOD REAL ESTATE

Has a plan by which non-resident investors can make money. It is one that will commend itself to the good judgment of eny man or woman who will take the pains to read the prospectus. The plan is endorsed by the best men in Oregon, in fact, it is one of the en-

Capital \$300,000 **6,000** Shares

Shares For Sale at Par Value, \$50 Per Share, Full Paid, Non-Assessable.

Company passed resolution to advance price of stock 10 per cent March 1, 1892.

The Tawood Real Estate Company's plan makes the smallest owner of stock in this Company's pany a on partner in the purchase of property by this acre to be so d in lots at the most advantageous prices. The stockholders of this Company in Portland are safe, well-known and re-liable men. The managers of this enterprise are thoroughly responsible, and in this special sield have invariably had excellent success. This Company will furnish you certified statements of companies organized by the same management as this Company, giving their history and profits realized. The success of these companies is a sufficient guarantee to justify you in making an investment in the

A FAIR OFFER

If you own stock, and at any time wish to surrender it, this Company will take its own stock at \$1.40 on the dollar and pay you in Real Estate at the price at which the Company is selling lots to other parties.

THE STORY FULLY VERIFIED. - WHAT HAS BEEN DONE AND WHAT MAY BE DONE HERE.

F. O. McCowen, Attorney at Law, Oregon City, Or To Whom it May Concern:

To Whom it May Concern:

T. A. Wood induced me in 1883 to invest \$1,900 in a suburb of Portland, Oregon. I have made \$48,500 out of the above invests ment, \$5,500 in cash and balance in real estate. I have known T. A. Wood of Portland for 27 years, and so far as I am informed ment, \$5,500 in cash and balance in real estate. I have known T. A. Wood of Portland for 27 years, and so far as I am informed ment, \$5,500 in cash and balance in real estate. I have known T. A. Wood of Portland for 27 years, and so far as I am informed.

F. O. McCowen. ail who have purchased of him or through him have done well.

The following well known or igens of Portland will testify to the truth of the above statement, also to the success of other real estate enterprises conducted by the same management as The Tawood Real Estate Company: Wm. McFall, Secretary Sellwood Real Estate Company: Joseph L. Meiarth, Secretary Portland City Real Estate Association; E. T. Hows, Capitalist; H. W. Scott, Editor "Oregonian;" H. L. Pittock, Manager and Treasurer "Oregonian;" S. J. Barber, President West Portland Park Association.

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